Cloud DevOps Engineer

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Professional Summary:

Certified Terraform Associate cloud engineer and Microsoft DevOps Expert engineer with 4 years of IT experience in designing, implementing and managing migration of workloads to Azure Cloud, leveraging Configuration Management & Build, Release and Deployment Management. Extensive understanding of cloud agnostic, high available and fault tolerant architecture.

Professional Experience:

I have started my career as trainee in Tata Consultancy Services on Jan'2017 and currently working as System engineer.

Technical Skills:

Operating Systems	: Linux, Ubuntu, Windows Version
Core Technologies	: Cache Object Script, Cache Objects
Frameworks	: Intersystem Zen
IDE's	: Cache Studio, Visual Studio code
Source Control	: Git (GitHub), Deltanji, Azure Repos
Database	: Intersystem Cache, SQL
Configuration Management Tools	: Ansible
Image creation tool	: Packer
CI Tools	: Jenkins, Azure DevOps
Containerization Platform	: Docker, Docker-Compose
Configuration tools	: Terraform, Azure Arm Templates, Cloud Formation
Scripting	: Cache Object Script, Mumps, PowerShell, Linux
Cloud Technology	: Azure and AWS

Project 1:

Title	: Cloud Migration Program
Organization	: TCS
Duration	: Sep 2018 – Present
Role	: Cloud DevOps Engineer
Environment	: Terraform, Azure VM, Azure VMSS, Azure Storage, Azure KeyVault,Azure MSI,Azure Load balancer, Azure AppGateway , Azure SQL MI

Client # Humana

Humana Inc. is a for-profit American health insurance company based in Louisville,Kentucky,As of 2014 Humana had over 13 million members in US

Cloud migration program, Humana intended to migrate multiple applications from different business portfolio to azure cloud.

Majority of my work involves around to take identified MG (Moving group) application from design to execution as per standard migration pipelines & assembly lines working with Application owner and operations. Some of the key areas of my work include –

- Migrating N-tier applications hosted on-prem to Microsoft Azure
- Understanding as-is functionality, architecture and interfaces of applications to be migrated to cloud
- Requesting landing zone,servive principle, azure keyvault ,Firewalls,DNS Mapping and other infrastructure related thing for each application in scope
- Service connection creation for different environments for application in scope
- Automated storage accounts and containers creation for storing web script files, terraform tfstate file, certificates etc. in different environments for each for application in scope
- Automated Shared image gallery and image definition creation
- Creating the branches and updating the repo's with infrastructure with app code in Azure Repos
- Automation of storing secrets (client id ,client secret ,etc) and certificates in Azure keyvault using pipelines
- Configuring CI/CD pipelines as code with YAML in Azure DevOps for applications
- Responsible for build and release application using CI/CD pipelines onto Azure Landing Zone
- Written templates for Azure infrastructure as code using Terraform to Non-production environments
- Responsible for provisioning and configuring VMSS, Load balancer and App Gateway.
- Provisioning and configuring the SQL MI /SQL on VM for database migration using
- Automated variable group creation in azure devops using PowerShell scripts
- Implementing Jfrog, Sonar Qube, Sec-API tasks in build pipeline in order to make them GLAPI certified pipelines.
- Defining release pipeline using stages. We define the automation in each stage using jobs and tasks, use variables to generalize the automation and triggers to control when deployment should start of automatically
- Installing and configuring the tools in a Azure VM as per the app dependency using pipelines.
- Setup the environment of DR for application to avoid fault tolerance.
- Troubleshooting and fixing the app launch issues.
- Installing and binding the Ssl and vault certificates in a Azure VM using pipelines

Project 2

Title	**: TMS (The Membership System)- Migration**
Organization	**: TCS**
Client	**: Kaiser Permanente**
Duration	**: Dec 2017 - Sep 2018**
Role	**: Developer**
Environment	**: Mumps, Cache Object Script, Cache Objects, Cache SQL, Ensemble**

Client # Kaiser Permanente

Kaiser Permanente is one of the largest nonprofit healthcare plans based in Oakland, California, United States, with over 12 million members.

Worked in Kaiser Permanente account as cache/ensemble developer on product "THE MEMBERSHIP SYSTEM" .

As a cache lead from offshore-Hyderabad location who involves in coding, providing estimates, finalizing requirements on technical feasibility and managing deliverables. I have worked on several key functional areas of this product. Below listed are some of them-

- Involved in the end to end development of demographics screens
- Developed a utility for client to convert all the existing procedures in the product as per ISMP

Standards (Institute for safe medication practice)
- Developed backed services to integrate with UI
- Developed web service for fetching all types of medications to the UI.
- Developed web services for calling third party vendor for clinical checking during order entry.
- Managing and upskilling the resources to meet the project expectations

Project 3	
Title	: Kofax implementation
Organization	: TCS
Client	: Kaiser Permanente
Duration	: April 2017 – Nov 2017
Role	: Developer
Environment	: Kofax tool

Client # Kaiser Permanente

   Kaiser Permanente is one of the largest nonprofit healthcare plans based in Oakland, California, United States, with over 12 million members.

I took the responsibility of doing developing existing Kofax tool code and creating of batches for multi-pages and single page invoices for classification of documents as per business needs and tested the various scenarios in KOFAX (imaging tool) . Worked on Tableau reporting tool.

   Majority of my work involves around requirement analysis/finalizing, development, code review, code deployment & post-production support. Some of the key areas of my work include –

- I have attended meetings with Business Analysts & Business Users for finalizing requirements for the release.
- I have attended technical requirement meeting and finalizing Technical Document.
- Writing pre & post design documents for my project & getting approval from QDRT team after doing a presentation.
- Developed batches for multi-pages invoices classification
- Developed batches for single pages invoices classification
- Used tableau tool for reporting purpose
- Getting code review for my projects & helping other team members in doing code review
- I have provided Level of effort for the new projects whenever required.
- I gave demos to the use after completion of project for every release for getting feedback.

Education	Year of Passing
M.Tech, SASTRA University	**2016**

Place: Hyderabad   (Venkata Krishna Sudhir .B)